

腾讯云 COS 迁移数据至首云 OSS

1、下载并安装 rclone 迁移工具

<https://rclone.org/downloads/>

Rclone Download v1.54.1

Arch-OS	Windows	macOS	Linux	.deb	.rpm	FreeBSD	NetBSD	OpenBSD	Plan9	Solaris
Intel/AMD - 64 Bit										
Intel/AMD - 32 Bit		-								-
ARMv6 - 32 Bit	-	-						-	-	-
ARMv7 - 32 Bit	-	-						-	-	-
ARM - 64 Bit	-	-				-	-	-	-	-
MIPS - Big Endian	-	-				-	-	-	-	-
MIPS - Little Endian	-	-				-	-	-	-	-

You can also find a mirror of the downloads on GitHub.

Script download and install

To install rclone on Linux/macOS/BSD systems, run:

```
curl https://rclone.org/install.sh | sudo bash
```

For beta installation, run:

```
curl https://rclone.org/install.sh | sudo bash -s beta
```

Note that this script checks the version of rclone installed first and won't re-download if not needed.

Order on Linux

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Links

- Rclone forum
- GitHub project
- Rclone slack
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2、设置配置文件

2.1 命令行选择配置文件，执行 rclone config

```
root@debian:~# rclone config
```

```
e) Edit existing remote
n) New remote
d) Delete remote
r) Rename remote
c) Copy remote
s) Set configuration password
q) Quit config
e/n/d/r/c/s/q> n
```

```
name> tengxun
```

```
Type of storage to configure.
```

```
Enter a string value. Press Enter for the default ("").
```

```
Choose a number from below, or type in your own value
```

1 / lFichier
 \ "fichier"
2 / Alias for an existing remote
 \ "alias"
3 / Amazon Drive
 \ "amazon cloud drive"
4 / Amazon S3 Compliant Storage Providers including AWS, Alibaba, Ceph,
 Digital Ocean, Dreamhost, IBM COS, Minio, and Tencent COS
 \ "s3"
5 / Backblaze B2
 \ "b2"
6 / Box
 \ "box"
7 / Cache a remote
 \ "cache"
8 / Citrix Sharefile
 \ "sharefile"
9 / Compress a remote
 \ "compress"
10 / Dropbox
 \ "dropbox"
11 / Encrypt/Decrypt a remote
 \ "crypt"
12 / Enterprise File Fabric
 \ "filefabric"
13 / FTP Connection
 \ "ftp"
14 / Google Cloud Storage (this is not Google Drive)
 \ "google cloud storage"
15 / Google Drive
 \ "drive"
16 / Google Photos
 \ "google photos"
17 / Hadoop distributed file system
 \ "hdfs"
18 / Hubic
 \ "hubic"
19 / In memory object storage system.
 \ "memory"
20 / Jottacloud
 \ "jottacloud"

21 / Koofr
 \ "koofr"
22 / Local Disk
 \ "local"
23 / [Mail.ru](#) Cloud
 \ "mailru"
24 / Mega
 \ "mega"
25 / Microsoft Azure Blob Storage
 \ "azureblob"
26 / Microsoft OneDrive
 \ "onedrive"
27 / OpenDrive
 \ "opendrive"
28 / OpenStack Swift (Rackspace Cloud Files, Memset Memstore, OVH)
 \ "swift"
29 / Pcloud
 \ "pcloud"
30 / [Put.io](#)
 \ "putio"
31 / QingCloud Object Storage
 \ "qingstor"
32 / SSH/SFTP Connection
 \ "sftp"
33 / Sugarsync
 \ "sugarsync"
34 / Tardigrade Decentralized Cloud Storage
 \ "tardigrade"
35 / Transparently chunk/split large files
 \ "chunker"
36 / Union merges the contents of several upstream fs
 \ "union"
37 / Webdav
 \ "webdav"
38 / Yandex Disk
 \ "yandex"
39 / Zoho
 \ "zoho"
40 / http Connection
 \ "http"
41 / premiumize.me

```
\ "premiumizeme"  
42 / seafile  
\ "seafile"  
Storage> 4  
** See help for s3 backend at: https://rclone.org/s3/ **
```

Choose your S3 provider.

Enter a string value. Press Enter for the default ("").

Choose a number from below, or type in your own value

```
1 / Amazon Web Services (AWS) S3  
\ "AWS"  
2 / Alibaba Cloud Object Storage System (OSS) formerly Aliyun  
\ "Alibaba"  
3 / Ceph Object Storage  
\ "Ceph"  
4 / Digital Ocean Spaces  
\ "DigitalOcean"  
5 / Dreamhost DreamObjects  
\ "Dreamhost"  
6 / IBM COS S3  
\ "IBMCOS"  
7 / Minio Object Storage  
\ "Minio"  
8 / Netease Object Storage (NOS)  
\ "Netease"  
9 / Scaleway Object Storage  
\ "Scaleway"  
10 / StackPath Object Storage  
\ "StackPath"  
11 / Tencent Cloud Object Storage (COS)  
\ "TencentCOS"  
12 / Wasabi Object Storage  
\ "Wasabi"  
13 / Any other S3 compatible provider  
\ "Other"
```

```
provider> 11
```

Get AWS credentials from runtime (environment variables or EC2/ECS meta data if no env vars).

Only applies if access_key_id and secret_access_key is blank.

Enter a boolean value (true or false). Press Enter for the default ("false").

Choose a number from below, or type in your own value

```
1 / Enter AWS credentials in the next step
\ "false"
2 / Get AWS credentials from the environment (env vars or IAM)
\ "true"
env_auth> 1
AWS Access Key ID.
Leave blank for anonymous access or runtime credentials.
Enter a string value. Press Enter for the default ("").
access_key_id> AKID1qQsBU0eT8pSotqYLOYxB9rKYWLz26b1
AWS Secret Access Key (password)
Leave blank for anonymous access or runtime credentials.
Enter a string value. Press Enter for the default ("").
secret_access_key> 6dtTuAA315dz581dzHQ4G1XmmWGmRqzt
Endpoint for Tencent COS API.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
1 / Beijing Region.
\ "cos.ap-beijing.myqcloud.com"
2 / Nanjing Region.
\ "cos.ap-nanjing.myqcloud.com"
3 / Shanghai Region.
\ "cos.ap-shanghai.myqcloud.com"
4 / Guangzhou Region.
\ "cos.ap-guangzhou.myqcloud.com"
5 / Nanjing Region.
\ "cos.ap-nanjing.myqcloud.com"
6 / Chengdu Region.
\ "cos.ap-chengdu.myqcloud.com"
7 / Chongqing Region.
\ "cos.ap-chongqing.myqcloud.com"
8 / Hong Kong (China) Region.
\ "cos.ap-hongkong.myqcloud.com"
9 / Singapore Region.
\ "cos.ap-singapore.myqcloud.com"
10 / Mumbai Region.
\ "cos.ap-mumbai.myqcloud.com"
11 / Seoul Region.
\ "cos.ap-seoul.myqcloud.com"
12 / Bangkok Region.
\ "cos.ap-bangkok.myqcloud.com"
13 / Tokyo Region.
```

```
\ "cos.ap-tokyo.myqcloud.com"
14 / Silicon Valley Region.
\ "cos.na-siliconvalley.myqcloud.com"
15 / Virginia Region.
\ "cos.na-ashburn.myqcloud.com"
16 / Toronto Region.
\ "cos.na-toronto.myqcloud.com"
17 / Frankfurt Region.
\ "cos.eu-frankfurt.myqcloud.com"
18 / Moscow Region.
\ "cos.eu-moscow.myqcloud.com"
19 / Use Tencent COS Accelerate Endpoint.
\ "cos.accelerate.myqcloud.com"
endpoint> 1
```

Canned ACL used when creating buckets and storing or copying objects.

This ACL is used for creating objects and if `bucket_acl` isn't set, for creating buckets too.

For more info visit <https://docs.aws.amazon.com/AmazonS3/latest/dev/acl-overview.html#canned-acl>

Note that this ACL is applied when server-side copying objects as S3 doesn't copy the ACL from the source but rather writes a fresh one.

Enter a string value. Press Enter for the default ("").

Choose a number from below, or type in your own value

1 / Owner gets FULL_CONTROL. No one else has access rights (default).

```
\ "default"
```

2 / Owner gets FULL_CONTROL. The AllUsers group gets READ access.

```
\ "public-read"
```

/ Owner gets FULL_CONTROL. The AllUsers group gets READ and WRITE access.

3 | Granting this on a bucket is generally not recommended.

```
\ "public-read-write"
```

4 / Owner gets FULL_CONTROL. The AuthenticatedUsers group gets READ access.

```
\ "authenticated-read"
```

/ Object owner gets FULL_CONTROL. Bucket owner gets READ access.

5 | If you specify this canned ACL when creating a bucket, Amazon S3 ignores it.

```
\ "bucket-owner-read"
```

/ Both the object owner and the bucket owner get FULL_CONTROL over the object.

6 | If you specify this canned ACL when creating a bucket, Amazon S3 ignores

```
it.
\ "bucket-owner-full-control"
acl> 2
The storage class to use when storing new objects in Tencent COS.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
1 / Default
\ ""
2 / Standard storage class
\ "STANDARD"
3 / Archive storage mode.
\ "ARCHIVE"
4 / Infrequent access storage mode.
\ "STANDARD_IA"
storage_class> 1
Edit advanced config? (y/n)
y) Yes
n) No (default)
y/n> n
Remote config
-----
[tengxun]
type = s3
provider = TencentCOS
env_auth = false
access_key_id = AKID1qQsBU0eT8pSotqYLOYxB9rKYWLz26b1
secret_access_key = 6dtTuAA315dz581dzHQ4G1XmmWGmRqzt
endpoint = cos.ap-beijing.myqcloud.com
acl = public-read
-----
y) Yes this is OK (default)
e) Edit this remote
d) Delete this remote
y/e/d> y
```

2.2 或者编辑 vim ./config/rclone/rclone.conf

```
[tengxun]
type = s3
provider = TencentCOS
env_auth = false
access_key_id = AKID1qQcBU0eT8pSotqYLOY39rKYwLz26b1
secret_access_key = 6dtTuAA315dz581dzHQ4G1XmmWGmRqzt
endpoint = cos.ap-beijing.myqcloud.com
acl = public-read
```

```
[gicremote]
type = s3
provider = Other
env_auth = false
access_key_id = 0af07126e1ef5d5ca9xxxxx
secret_access_key = 07454daaf4bc503399xxxxx
region = other-v2-signature
endpoint = oss-cn-beijing-01.cdsjss.com
acl = public-read
bucket_acl = public-read
chunk_size = 10M
upload_concurrency = 2
v2_auth = true
```

```
[tengxun]
type = s3
provider = TencentCOS
env_auth = false
access_key_id = AKID1qQsBU0eT8pSotqYLOYxxxxx
secret_access_key = 6dtTuAA315dz581dzHQ4G1Xmxxxxx
endpoint = cos.ap-beijing.myqcloud.com
acl = public-read
```

3、验证配置是否正确

验证 AWS: `rclone ls tengxun:ddw-1302533319`

tengxun:配置文件 remote 名称

ddw-1302533319: 腾讯云对象存储桶名称

阿里首都在线: `rclone ls gicremote:demo-test`

4、执行数据迁移


```
rclone copyto tengxun:ddw-1302533319 gicremote:demo-test
```

附：

1、查看腾讯云对象存储 endpoint 信息：

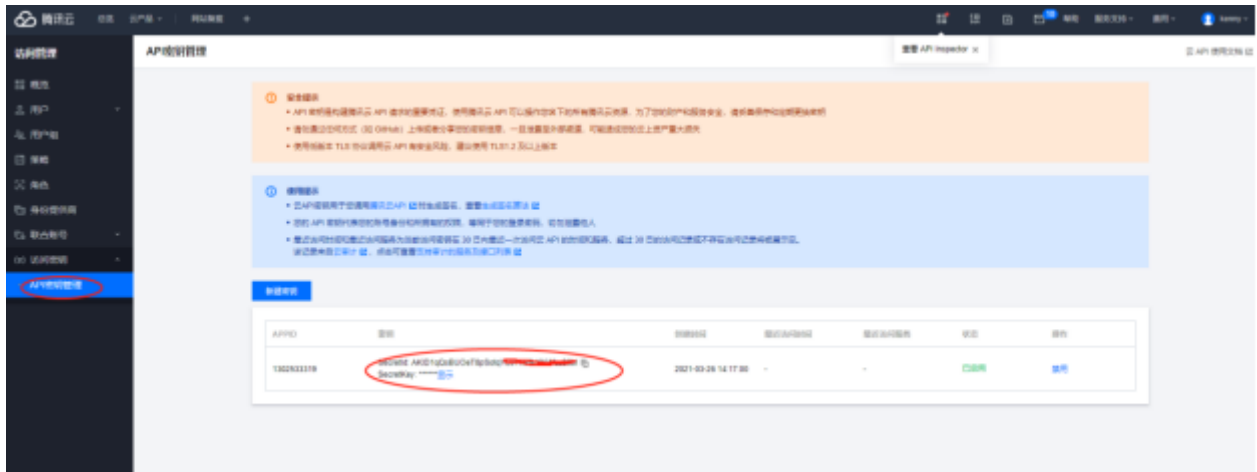
The screenshot displays the Tencent Cloud COS console interface. At the top, there are four summary cards: '对象数量' (Object Count) showing 0 objects, '存储量' (Storage) showing 0 B, '本月总流量' (Monthly Total Traffic) showing 0 B, and '本月总请求数' (Monthly Total Requests) showing 0 requests. Below these are two main sections: '基本信息' (Basic Information) and '域名信息' (Domain Information). The '域名信息' section contains a table with the following data:

访问域名	https://ddw-1302533319.cos.ap-beijing.myqcloud.com
默认CDN加速域名	--
自定义CDN加速域名	--
自定义网站域名	0条
全球加速域名	未开启
静态网站域名	未开启

The URL in the '访问域名' row is circled in red. Other sections include '对象配置' (Object Configuration) with '当前配置' (Current Configuration) and '已配置待生效' (Configured and Pending) counts, and '存储桶配置' (Bucket Configuration) with various settings like '跨域访问' (Cross-domain Access), '同源' (Same Origin), '读写' (Read/Write), '生命周期' (Lifecycle), and '日志管理' (Log Management).

2、查看腾讯云对象存储 access_key_id 信息

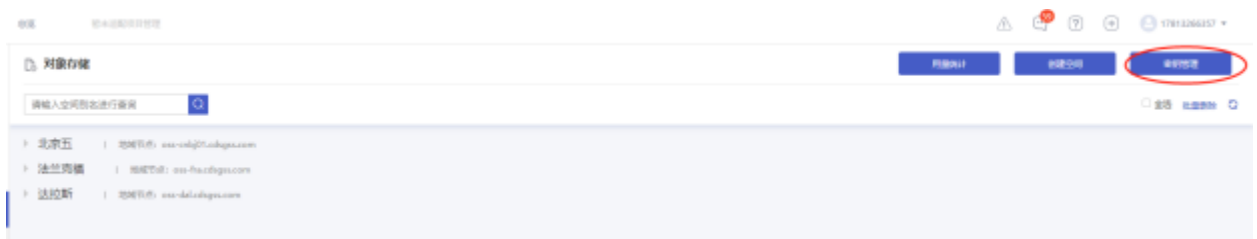
This screenshot is similar to the first one but includes a dark sidebar on the right side. The sidebar contains a menu with several items: '个人中心' (Personal Center), '企业设置' (Enterprise Settings), '访问管理' (Access Management), '日志' (Logs), '项目管理' (Project Management), and '企业绑定' (Enterprise Binding). The '访问管理' item is circled in red. The main content area is identical to the first screenshot, showing the same summary cards and configuration sections for the COS bucket.



3、查询首云对象存储 endpoint 信息：



4、查询首云对象存储 access_key_id 信息：



请输入密钥名称进行查询



刷新列表

密钥名称	AK	SK	所在地	状态	创建时间	操作
oss-secret	0462712be1ef5d5ca07a7627a55e0e08	0462712be1ef5d5ca07a7627a55e0e08	北京五 沃世传媒 测试组	启用	2020-06-16 09:48:59	查看详情 删除
oss1	f4b571300eeb5490b70cbde3c7cc1fc1	0462712be1ef5d5ca07a7627a55e0e08	北京五 沃世传媒 测试组	启用	2020-06-15 12:59:00	查看详情 删除